

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/04090

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H02H3/093 H02J13/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02H H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 571 898 A (ALCATEL STANDARD ELECTRICA) 1 December 1993 (1993-12-01) the whole document	1, 12-25
X	US 5 710 691 A (CUMMINGS DALE D ET AL) 20 January 1998 (1998-01-20) the whole document	1, 12, 13, 22-25 26, 27
X	FR 2 751 784 A (HITACHI LTD) 30 January 1998 (1998-01-30) page 2, line 32 - page 5, line 12; figures 1-6	1-11
Y	US 2002/101695 A1 (SAKSA THOMAS A) 1 August 2002 (2002-08-01) abstract	26, 27
A		14

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the International search

22 December 2003

Date of mailing of the International search report

02/01/2004

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International Application No  
**PCT/EP 03/04090**

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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